

## ABSTRACT

There is provided a signal amplifier capable of restraining the influence of an EMI caused by a distortion of a waveform of an output signal. The signal amplifier comprises

5 an inverter circuit made up of p-channel and n-channel transistors, reference circuits having a circuit configuration corresponding to the inverter circuit and made up of p-channel and n-channel transistors, a selection circuit for selecting the p-channel and n-channel transistors independently with each

10 other with the same combination as the combination of the selection of the p-channel and n-channel transistors in the inverter circuit and the reference circuits, and a selection control circuit for comparing first driving capacity of the p-channel transistor selected in the first reference circuit

15 with second driving capacity of the n-channel transistor selected in the second reference circuit and controlling the selection circuit so as to achieve a balance between the first driving capacity and the second driving capacity on the basis of the result of comparison.

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